

AMENDMENTS TO THE CLAIMS

CLAIMS LIST

Pursuant to 37 C.F.R. §1.121(c) the following claims list includes all claims ever presented in the instant case.

Claims 1-46 (Cancelled)

47. (Previously Presented) A method of providing a wound dressing, the method comprising:

supplying liquid to an outlet in a vicinity of the wound to be dressed;

subjecting the liquid issuing from the outlet to an electric field to cause the liquid to form at least one jet of electrically charged liquid, the liquid being such that, after formation, the at least one jet forms a charged fiber which is attracted to an area and deposits on the area or breaks up into charged fiber fragments which are attracted to and deposited onto the area to form a mat or web; and

incorporating into the deposited mat or web cells that are configured to cause skin regrowth.

48. (Previously Presented) A method of forming a dressing for a wound, the method comprising:

subjecting liquid to an electric field at an outlet in a vicinity of the wound thereby causing the liquid to form at least one jet of electrically charged liquid, the liquid being such that, after formation, the at least one jet forms a charged fiber that is attracted to said wound and deposits onto said wound or breaks up into charged fiber fragments that are attracted to and deposited onto said wound so as to form a mat or web on said wound; and

incorporating skin cells into said mat or web.

49. (Previously Presented) A method of forming a dressing for a wound, the method comprising:

subjecting a liquid to an electric field at an outlet in a vicinity of the wound to cause the liquid to form at least one jet of electrically charged liquid, the liquid being such that, after formation, the at least one jet forms a charged fiber or charged fiber fragments which is/are attracted to and deposited onto said wound to form a layer on said wound, repeating the subjecting of the liquid to form at least one further layer or fiber or fiber fragments on said layer and interspersing skin cells in or between said layers.

Claims 50 – 58 (Cancelled)

59. (Previously Presented) A method of providing a dressing on a surface, which method comprises:

providing a supply of liquid comprising a solvent and polymer to a liquid outlet;

subjecting liquid issuing from the liquid outlet to an electric field to produce at least one charged jet which, as the solvent evaporates, produces at least one electrically charged fiber or fibrils; and

changing a polarity of the electric field to change the polarity to which the at least one fiber or fibrils is/are charged to cause opposite polarity layers of fiber and/or fibrils to be deposited in succession onto the surface to form the dressing.

Claims 60-64 (Cancelled)

65. (Previously Presented) A method of forming a dressing or covering on a surface, which method comprises:

supplying a liquid containing a polymer to a liquid outlet directed towards the surface;

subjecting the liquid that issues from the liquid outlet to an electric field to generate at least one electrically charged liquid jet which then forms electrically charged polymer matter comprising at least one of electrically charged polymer fiber, electrically charged polymer fiber fragments and electrically charged polymer particles; and

spraying the electrically charged polymer matter with an oppositely charged spray or cloud.

66. (Previously Presented) A method according to claim 65, which comprises spraying the polymer matter with an oppositely charged spray comprising a surfactant.

67. (Previously Presented) A method of providing a dressing or covering on a surface, which method comprises:

supplying a liquid containing a polymer to a liquid outlet;

subjecting the polymer containing liquid that issued from the liquid outlet to an electric field while regulating a flow of the liquid to the liquid outlet to cause the liquid to generate at least one electrically charged jet that partially solidifies to form electrically charged gel-like matter comprising at least one of electrically charged fiber, electrically charged fibrils and electrically charged particles which are electrically attracted to and deposit onto the surface.

68. (Cancelled)

69. (Previously Presented) A method of providing a wound dressing, the method comprising:

a) supplying liquid comprising a bioresorbable inert polymer to at least one outlet;

b) subjecting the liquid at an outlet to an electric field thereby causing the liquid to form at least one jet of electrically-charged liquid, the liquid being such that after the formation the at least one jet forms charged fibers which are attracted to and deposited onto a surface to form a mat.

70. (Previously Presented) The method of claim 69 wherein the polymer is selected from the group consisting of polyhydroxybutyric acid, polyvinyl alcohol, polyglycolic acid, polylactic acid and mixtures thereof.

71. (Previously Presented) The method of claim 69 or 70 wherein the fibers further comprise at least one active component.

72. (Previously Presented) The method of claim 71 wherein the active components are selected from the group consisting of analgesics, antiseptics, antibiotics, bactericides, antifungals, antiparasitics, anti-inflammatory agents, fibrinogen, vasodilators, proteolytic enzymes, cytokines, fibroblast growth factor (FGF), epithelial growth factor (EGF), thrombin, transforming growth factor (TGF), cells, peptides, polypeptides, insulin, immune suppressants, stimulants, vaccines, and mixtures thereof.

73. (Previously Presented) The method of claim 72 wherein the active component is selected from thrombin, fibrinogen and mixtures thereof.

74. (Previously Presented) A method of providing a wound dressing, the method comprising:

- a) supplying liquid to at least one outlet; and
- b) subjecting the liquid at an outlet to an electric field thereby causing the liquid to form at least one jet of electrically charged liquid, the liquid being such that after the formation the at least one jet forms charged fibers, wherein at least a portion of the fibers include collagen, and at least a portion of the fibers include at least one active component selected from thrombin, fibrinogen, and mixtures thereof, which fibers are attracted to and deposited onto a surface to form a mat.

75. (Previously Presented) The method of claim 73 wherein the wound dressing is adapted for application to a burn.

76. (Cancelled)

77. (Previously Presented) A method of providing a wound dressing, the method comprising:

- a) supplying liquid to at least one outlet;
- b) subjecting the liquid at an outlet to an electric field thereby causing the liquid to form at least one jet of electrically charged liquid, the liquid being such that after the formation the at least one jet forms charged fibers which are attracted to and deposited onto a surface to form a mat, the mat comprising more than one layer of fibers, and wherein skin cells are interspersed between fiber layers.

78. (Previously Presented) The method of claim 71 wherein the active ingredients further comprise cytokines.

79. (Previously Presented) A method of providing a wound dressing, the method comprising:

- a) supplying liquid to at least one outlet;
- b) subjecting the liquid at an outlet to an electric field thereby causing the liquid to form at least one jet of electrically-charged liquid, the liquid being such that after formation the at least one jet forms charged fibers, wherein the fibers are coated with a surfactant, which fibers are attracted to and deposited onto a surface to form a mat.

80. (Previously Presented) The method of claim 71 wherein different active components are provided in the different layers.

Claims 81 – 103 (Cancelled)